

Applicant(s)	Gary Gustine et al.	SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT
Serial No.	09/919,006	
Filing Date	July 31, 2001	
Group Art Unit	2831	
Examiner	Adolfo Nino	
Attorney Docket No.	100.216US01	
Title: CLAMPING RECEPTACLE		

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

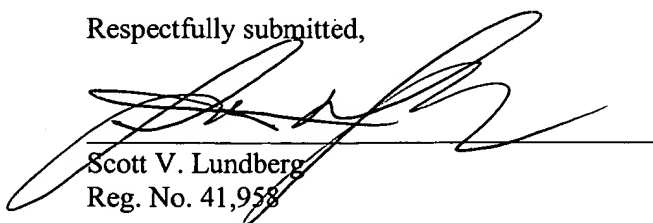
In compliance with 37 C.F.R. §§ 1.56 and 1.97, *et seq.*, the enclosed materials are brought to the attention of the Examiner for consideration in connection with the above-identified Application. Applicant respectfully requests that this Supplemental Information Disclosure Statement be entered and the references listed on the attached Form 1449 be considered by the Examiner and made of record. Pursuant to MPEP §609, Applicant further requests that the Examiner initial next to each reference on the Form 1449 to indicate that the listed references have been considered. Applicant further requests that a copy of the initialed Form 1449 be returned with the next official communication.

As an Office Action has issued in this application, Applicant is enclosing the prescribed amount of \$180.00 for filing of Supplemental Information Disclosure Statement. However, the Commission for Patents is hereby authorized to charge any additional fees or credit any overpayment to Deposit Account No. 502432.

The Examiner is invited to contact the Applicant's Representative at the below-listed telephone number if there are any questions regarding this communication.

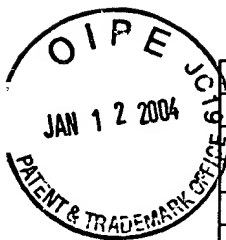
Respectfully submitted,

Date: 1-9-4



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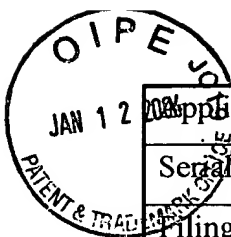
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Sérial No.	09/919,006	
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Group Art Unit	2831	
Examiner Name	Adolfo Nino	
Attorney Docket No.	100.216US01	
Title: CLAMPING RECEPTACLE		
Sheet 1 of 1		

U.S. Patent References				
Examiner Initials	Patent No.	Issue Date	Name	Filing Date
	5,642,264	06/24/97	Cantrell	01/26/95
	5,825,621	10/20/98	Giannatto et al.	08/22/97
	5,946,193	08/31/99	Hendrix et al.	09/12/97
	6,430,044	08/06/02	Hutchinson et al.	02/12/01
	6,587,339	07/01/03	Daniels et al.	03/29/02
	6,611,426	08/26/03	Hutchinson et al.	04/22/02
	6,510,223	01/21/03	Laetsch	09/14/01
	6,535,603	03/18/03	Laetsch	02/08/01

Foreign Patent References					
Examiner Initials	Foreign Patent		Name	Publication Date	T?
	Country	No.			
	NONE				

Other References	
Examiner Initials	Author, Title, Date, Pages, etc.
	Su, "Case for Mounting Slidably a Data Storage Medium in a Computer Housing" US Patent Publication No. US 2002/0141153 A1, Filed 07/09/01, Published 10/03/2002. (9 pgs.)

Examiner Signature		Date Considered	
*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			



Applicant(s)	Gary Gustine et al.	<u>AMENDMENT AND RESPONSE UNDER 37 C.F.R. § 1.111</u>
Serial No.	09/919,006	
Filing Date	July 31, 2001	
Group Art Unit	2831	
Examiner Name	Adolfo Nino	
Confirmation Number	3212	
Attorney Docket No.	100.216US01	
Title: CLAMPING RECEPTACLE		

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Applicants have reviewed the Office Action mailed on October 9, 2003. Please amend the above-identified application as follows.

The Claims are reflected in the listing of claims that begins on page 2 of this paper.

Remarks begin on page 10 of this paper.

01/14/2004 WABDELRI 00000129 09919006

02 FC:1201
03 FC:1202

86.00 OP
72.00 OP

CLAIMS

Please amend the following claims.

1. (Original) A receptacle for confining circuit cards to different locations within a housing, the receptacle comprising:

a frame comprising an array of slots, each slot containing one of the circuit cards;
and

a cam selectively engageable with the frame for clamping the circuit cards within the frame.

2. (Original) The receptacle of claim 1, wherein the frame is partitioned into first and second sub-frames by a first partition and each of the first and second sub-frames partitioned into an array of slots by a plurality of second partitions.

3. (Original) The receptacle of claim 2, wherein the first sub-frame is movable relative to the second sub-frame and is in slidable contact with the receptacle.

4. (Original) The receptacle of claim 3, wherein the first partition is in slidable contact with the receptacle.

5. (Original) The receptacle of claim 4, wherein the cam is engageable with the first sub-frame for sliding the first sub-frame so that circuit cards that are in the first sub-frame contact the first partition and sliding the first partition into contact with the circuit cards of the second sub-frame to clamp the circuit cards contained in the slots of the first sub-frame between the first sub-frame and the first partition and the circuit cards contained in the slots of the second sub-frame between the first partition and the second sub-frame.

6. (Original) The receptacle of claim 1, wherein the cam is selected from the group consisting of a pair of cams in tandem, a pair of cams, and two tandem pairs of cams.

7. (Original) The receptacle of claim 1, wherein the cam is disposed within the receptacle.

8. (Original) The receptacle of claim 1, wherein the cam is rotatably attached to the receptacle.

9. (Original) The receptacle of claim 1, wherein the cam is disposed on a shaft that rotates the cam into and out of engagement with the frame.

10. (Original) The receptacle of claim 1, wherein the cam comprises a curved surface comprising serrations.

11. (Original) The receptacle of claim 1, wherein the frame comprises a pair of frames, the cam attached to one of the pair of frames and selectively engageable with the other of the pair of frames for clamping the circuit cards within each of the pair of frames.

12. (Original) A receptacle for confining circuit cards to different locations within a housing, the receptacle comprising:

at least one frame partitioned into first and second sub-frames by a first partition, each of the first and second sub-frames partitioned into an array of slots by a plurality of second partitions, each slot containing one of the circuit cards; and

at least one cam selectively engageable with the first sub-frame to clamp the circuit cards within the at least one frame.

13. (Original) The receptacle of claim 12, wherein the at least one cam is selected from the group consisting of a pair of cams in tandem, a pair of cams, and two tandem pairs of cams.

14. (Original) The receptacle of claim 12, wherein the at least one cam is disposed within the receptacle.

15. (Original) The receptacle of claim 12, wherein the at least one cam is rotatably attached to the receptacle.

16. (Original) The receptacle of claim 12, wherein the at least one cam is disposed on a shaft that rotates the at least one cam into and out of engagement with the first sub-frame.

17. (Original) The receptacle of claim 12, wherein the at least one cam comprises a curved surface comprising serrations.

18. (Original) The receptacle of claim 12, wherein the first sub-frame is movable relative to the second sub-frame and is in slidable contact with the receptacle.

19. (Original) The receptacle of claim 18, wherein the first partition is in slidable contact with the receptacle.

20. (Original) The receptacle of claim 19, wherein the at least one cam is engageable with the first sub-frame for sliding the first sub-frame so that circuit cards that are in the first sub-frame contact the first partition and sliding the first partition into contact with the circuit cards of the second sub-frame to clamp the circuit cards contained in the slots of the first sub-frame between the first sub-frame and the first partition and the circuit cards contained in the slots of the second sub-frame between the first partition and the second sub-frame.

21. (Original) A receptacle for confining circuit cards to different locations within a housing, the receptacle comprising:

at least one frame partitioned into first and second sub-frames by a first partition, each of the first and second sub-frames partitioned into an array of slots by a plurality of second partitions, each slot containing one of the circuit cards;

wherein the first sub-frame is movable relative to the second sub-frame and is in slidable contact with the receptacle;

wherein the first partition is in slidable contact with the receptacle; and

at least one cam disposed within the receptacle and rotatably attached to the receptacle, the at least one cam selectively rotatable for selectively engaging the first sub-frame for sliding the first sub-frame so that circuit cards of the first sub-frame contact the first partition and sliding the first partition into contact with the circuit cards of the second sub-frame to clamp the circuit cards contained in the slots of the first sub-frame between the first sub-frame and the first partition and the circuit cards contained in the slots of the second sub-frame between the first partition and the second sub-frame.

22. (Original) The receptacle of claim 21, wherein the at least one cam is selected from the group consisting of a pair of cams in tandem, a pair of cams, and two tandem pairs of cams.

23. (Original) The receptacle of claim 21, wherein the at least one cam is disposed on a shaft that rotates the at least one cam into and out of engagement with the first sub-frame.

24. (Original) A receptacle for confining circuit cards to different locations within a housing, the receptacle comprising:

first and second frames, each of the first and second frames partitioned into first and second sub-frames by a first partition, each of the first and second sub-frames

partitioned into an array of slots by a plurality of second partitions, each slot containing one of the circuit cards; and

at least one cam disposed between the first and second frames, the at least one cam rotatably attached to the first frame and adapted to engage the second frame to exert a force on each of the first and second frames for clamping the circuit cards within the first and second frames.

25. (Original) The receptacle of claim 24, wherein the at least one cam is selected from the group consisting of a pair of cams in tandem, a pair of cams, and two tandem pairs of cams.

26. (Original) The receptacle of claim 24, wherein the at least one cam is disposed on a shaft that is rotatably attached to the first frame, the shaft rotating the at least one cam into and out of engagement with the second frame.

27. (Original) The receptacle of claim 24, wherein the at least one cam comprises a curved surface comprising serrations.

28. (Original) The receptacle of claim 24, wherein the first sub-frame of each of the first and second frames is movable relative to the second sub-frame of each of the first and second frames and is in slidable contact with the receptacle.

29. (Original) The receptacle of claim 28, wherein the first partition of each of the first and second frames is in slidable contact with the receptacle.

30. (Original) The receptacle of claim 29, wherein the force exerted on the first and second frames slides the first sub-frame of each of the first and second frames so that circuit cards of the first sub-frame of each of the first and second frames contact the first partition of

each of the first and second frames and slides the first partition of each of the first and second frames into contact with the circuit cards of the second sub-frame of each of the first and second frames to clamp the circuit cards contained in the slots of the first sub-frame of each of the first and second frames between the first sub-frame and the first partition of each of the first and second frames and the circuit cards contained in the slots of the second sub-frame of each of the first and second frames between the first partition and the second sub-frame of each of the first and second frames.

31. (Original) The receptacle of claim 24, wherein the receptacle is thermally coupled to the housing.

32. (Currently amended) A receptacle for confining circuit cards to different locations within a housing, the receptacle comprising:

first and second frames, each of the first and second frames partitioned into first and second sub-frames by a first partition, each of the first and second sub-frames partitioned into an array of slots by a plurality of second partitions, each slot containing one of the circuit cards;

wherein the first sub-frame of each of the first and second frames is movable relative to the second sub-frame of each of the first and second frames and is in slidable contact with the receptacle;

wherein the first partition of each of the first and second frames is in slidable contact with the receptacle; and

at least one cam disposed between the first and second frames, the at least one cam rotatably attached to the first sub-frame of the first frame and is selectively rotatable for [to] engaging the first sub-frame of the second frame to exert a force on the first sub-frame of each of the first and second frames to slide the first sub-frame of each of the first and second frames so that circuit cards of the first sub-frame of each of the first and second frames contact the first partition of each of the first and second frames and to slide the first partition of each of the first and second frames into contact with the circuit cards of the second sub-frame of each of the first

and second frames to clamp the circuit cards contained in the slots of the first sub-frame of each of the first and second frames between the first sub-frame and the first partition of each of the first and second frames and the circuit cards contained in the slots of the second sub-frame of each of the first and second frames between the first partition and the second sub-frame of each of the first and second frames.

33. (Original) The receptacle of claim 32, wherein the at least one cam is selected from the group consisting of a pair of cams in tandem, a pair of cams, and two tandem pairs of cams.

34. (Original) The receptacle of claim 32, wherein the at least one cam is disposed on a shaft that is rotatably attached to the first sub-frame of the first frame, the shaft rotating the at least one cam into and out of engagement with the first sub-frame of the second frame.

35. (Original) The receptacle of claim 32, wherein the receptacle is thermally coupled to the housing.

Claims 36-106 (Cancelled)

107. (New) A receptacle for confining circuit boards, the receptacle comprising:

at least one frame thermally coupled to the housing, each frame having at least one adjustable slot, wherein the at least one adjustable slot is adapted to receive a circuit card;

at least one cam adapted to selectively apply force on the frame to adjust the size of the slot, wherein when the at least one cam applies a force on the frame, the size of the at least one adjustable slot is reduced to clamp a circuit card therein and thermally couple the circuit card to the frame.

108. (New) The receptacle of claim 107, wherein the at least one frame further comprises:

two or more sub-frames, and

sliding partitions separating the two or more sub-frames.

109. (New) The receptacle of claim 107, wherein the at least one frame includes a first and second frame;

the first and second frames being received in the receptacle approximate each other; and

the at least one cam coupled to the first frame.

110 (New) The receptacle of claim 107, further comprising:

the at least one cam selectively engaging the second frame.

REMARKS

Applicant has reviewed the Office Action mailed on October 9, 2003 as well as the art cited. Claim 32 has been amended to correct a typographical error. Claims 107-110 have been added. Claims 1-35 and 107-110 are pending in this application.

Rejections Under 35 U.S.C. § 102

Claims 1-9, 11-16, 18-26, 28, 29 and 31-35 were rejected under 35 USC § 102(b) as being anticipated by Farnworth et al., (U.S. Patent No. 5,995,378). A 102 rejection requires that every element in a claim be taught by the cited reference.

Claim 1

In regards to independent Claim 1, Claim 1 includes the element “a cam selectively engageable with the frame.” The Farnsworth et al. reference does not teach “a cam selectively engageable with the frame,” as is disclosed and claimed in Claim 1 of the present application.

Applicant respectfully traverses the Examiner’s assertion that the recitation of “engageable to” is not a positive limitation. The Examiner cited In re Hutchenson in support of this assertion. The Court in In re Hutchinson found that the term “adapted for” in an introductory clause of a claim in the case was not a positive limitation. The Court did not adopt a per se rule that the term “adapted for” cannot be a positive limitation. It is a fact specific question. Moreover, the terms “engageable to” was not used in an introductory clause and has a different meaning than “adapted to.” The terms “engageable to” are a proper limitation in the context of the Claim 1.

Further, the Farnsworth et al. reference does not teach the ability to perform as set out in the above element of Claim 1. The Farnsworth et al. reference relates to using a cam 402 to selectively connect a conducting element 460 to a bonding pad 14 of a semiconductor device 10. Please see Figure 14c and column 10, lines 40 through 64 of the Farnworth et al. reference. In particular, the cam 402 of the Farnsworth et al. reference performs the task of selectively engaging a conducting element 460 to a bonding pad 14 of a semiconductor device 10. Please see Figure 14c and column 10, lines 40 through 64 of the Farnworth et al. reference. This is not what has been disclosed and claimed in the present application.

Since, the Farnsworth et al. reference does not teach every element of Claim 1, the Applicant respectfully request the withdrawal of the rejection of Claim 1 under 35 USC § 102(b). Moreover, since Claims 2-11 depend from patentably distinct independent Claim 1, these claims are also allowable. Accordingly, the Applicant respectfully requests the withdrawal of the rejection of these dependant claims under 35 USC § 102(b). Moreover, since the Applicant believes these dependant claims are allowable for the above reasons, further arguments may not have been put forth in this response addressing all of their rejections. The Applicant does, however, retain the right to address any of the additional rejections if a further response is required.

Claim 12

In regards to independent Claim 12, Claim 12 includes the element “at least one cam selectively engageable with the first sub-frame.” The Farnsworth et al. reference does not teach “at least one cam selectively engageable with the first sub-frame,” as is disclosed and claimed in Claim 12 of the present application. Please refer to the argument put forth in Claim 12 regarding the “adapted to” language of the In re Hutchinson case. The Farnsworth et al. reference does not teach the ability to perform as set out in the above element of Claim 12. As shown above, the Farnsworth et al reference relates to using a cam 402 to selectively connect a conducting element 460 to a bonding pad 14 of a semiconductor device 10. Please see Figure 14c and column 10 lines 40 through 64 of the Farnsworth et al. reference. In particular, the cam 402 of the Farnsworth et al. reference performs the task of selectively engaging a conducting element 460. Please see Figure 14c and column 10, lines 40 through 64 of the Farnsworth et al. reference. This is not what has been disclosed and claimed in the present application.

Since, the Farnsworth et al. reference does not teach every element of Claim 12, the Applicant respectfully request the withdrawal of the rejection of Claim 12 under 35 USC § 102(b). Moreover, since Claims 12-20 depend from patentably distinct independent Claim 12, these claims are also allowable. Accordingly, the Applicant respectfully requests the withdrawal of the rejection of these dependant claims under 35 USC § 102(b). Moreover, since the Applicant believes these dependant claims are allowable for the above reasons, further arguments may not have been put forth in this response addressing all of their rejections. The Applicant

does, however, retain the right to address any of the additional rejections if a further response is required.

Claim 21

In regards to independent Claim 21, the Applicant further traverses the Examiner's rejections for reasons similar to the reasons set out in regards to independent claims 1 and 12. In particular, Claim 21 includes elements not taught by the Farnsworth et al. reference. For example, Claim 21 includes the element "wherein the first sub-frame is movable relative to the second sub-frame and is in slidable contact with the receptacle." The Farnsworth et al. reference does not teach "wherein the first sub-frame is movable relative to the second sub-frame and is in slidable contact with the receptacle," as is disclosed and claimed in Claim 21 of the present application. In view of the discussion provided above, the terms "in slidable contact" are positive limitations in Claim 21.

Since, the Farnsworth et al. reference does not teach every element of Claim 21, the Applicant respectfully request the withdrawal of the rejection of Claim 21 under 35 USC § 102(b). Moreover, since Claims 22-31 depend from patentably distinct independent Claim 21, these claims are also allowable. Accordingly, the Applicant respectfully requests the withdrawal of the rejection of these dependant claims under 35 USC § 102(b). Moreover, since the Applicant believes these dependant claims are allowable for the above reasons, further arguments may not have been put forth in this response addressing all of their rejections. The Applicant does, however, retain the right to address any of the additional rejections if a further response is required.

Claim 32

In regards to independent Claim 32, the Applicant further traverses the Examiners rejections for reasons similar to the reasons set out in regards to independent claims 1, 12 and 21. In particular, Claim 32 includes elements not taught by the Farnsworth et al. reference. For example, Claim 32 includes the element "wherein the first sub-frame of each of the first and second frames is movable relative to the second sub-frame of each of the first and second frames and is in slidable contact with the receptacle." The Farnsworth et al. reference does not teach

this elements. Further in view of the discussion provided above, regarding terms such as “in slidable contact” as being positive limitations, the Farnsworth et al. reference does not teach all the elements of Claim 32.

Since, the Farnsworth et al. reference does not teach every element of Claim 32, the Applicant respectfully request the withdrawal of the rejection of Claim 32 under 35 USC § 102(b). Moreover, since Claims 33-35 depend from patentably distinct independent Claim 32, these claims are also allowable. Accordingly, the Applicant respectfully requests the withdrawal of the rejection of these dependant claims under 35 USC § 102(b). Moreover, since the Applicant believes these dependant claims are allowable for the above reasons, further arguments may not have been put forth in this response addressing all of their rejections. The Applicant does, however, retain the right to address any of the additional rejections if a further response is required.

Applicant has added Claims 107-110 which are in the same group and species as Claim 1-35.

Allowable Subject Matter

Claim 30 was objected to as being dependent upon a rejected base claim, but was indicated to be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

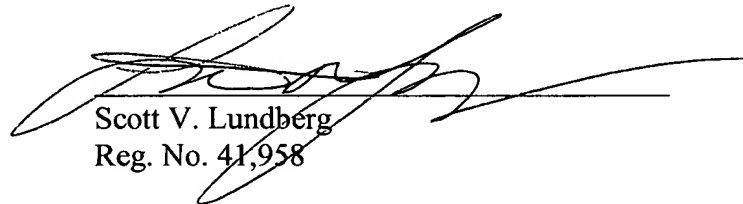
CONCLUSION

Applicant respectfully submits that claims 1-35 and 107-110 are in condition for allowance and notification to that effect is earnestly requested. If necessary, please charge any additional fees or credit overpayments to Deposit Account No. 502432.

If the Examiner has any questions or concerns regarding this application, please contact the undersigned at (612) 332-4720.

Respectfully submitted,

Date: 1-9-4



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